

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problems Mailbox.**

8/71

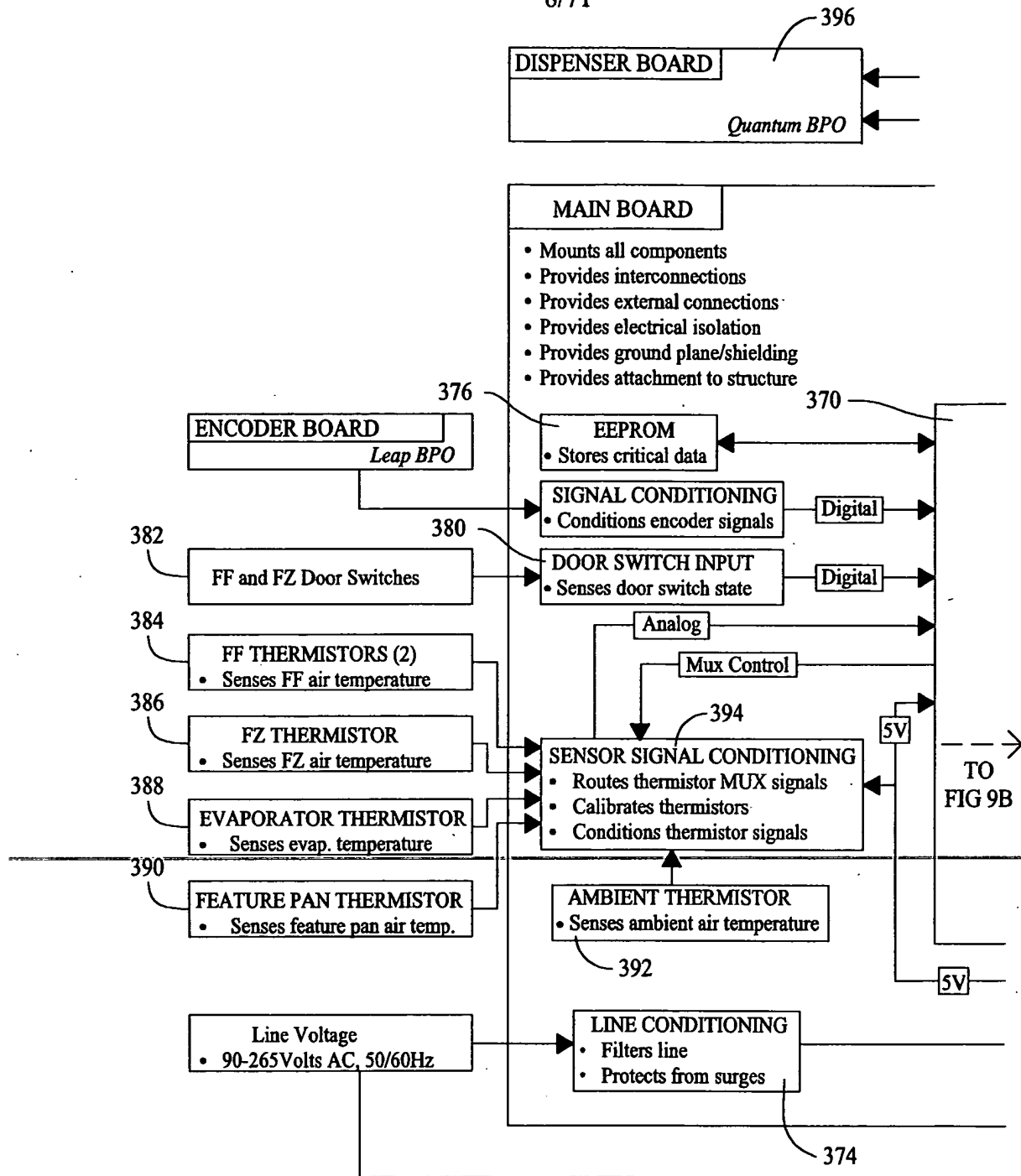
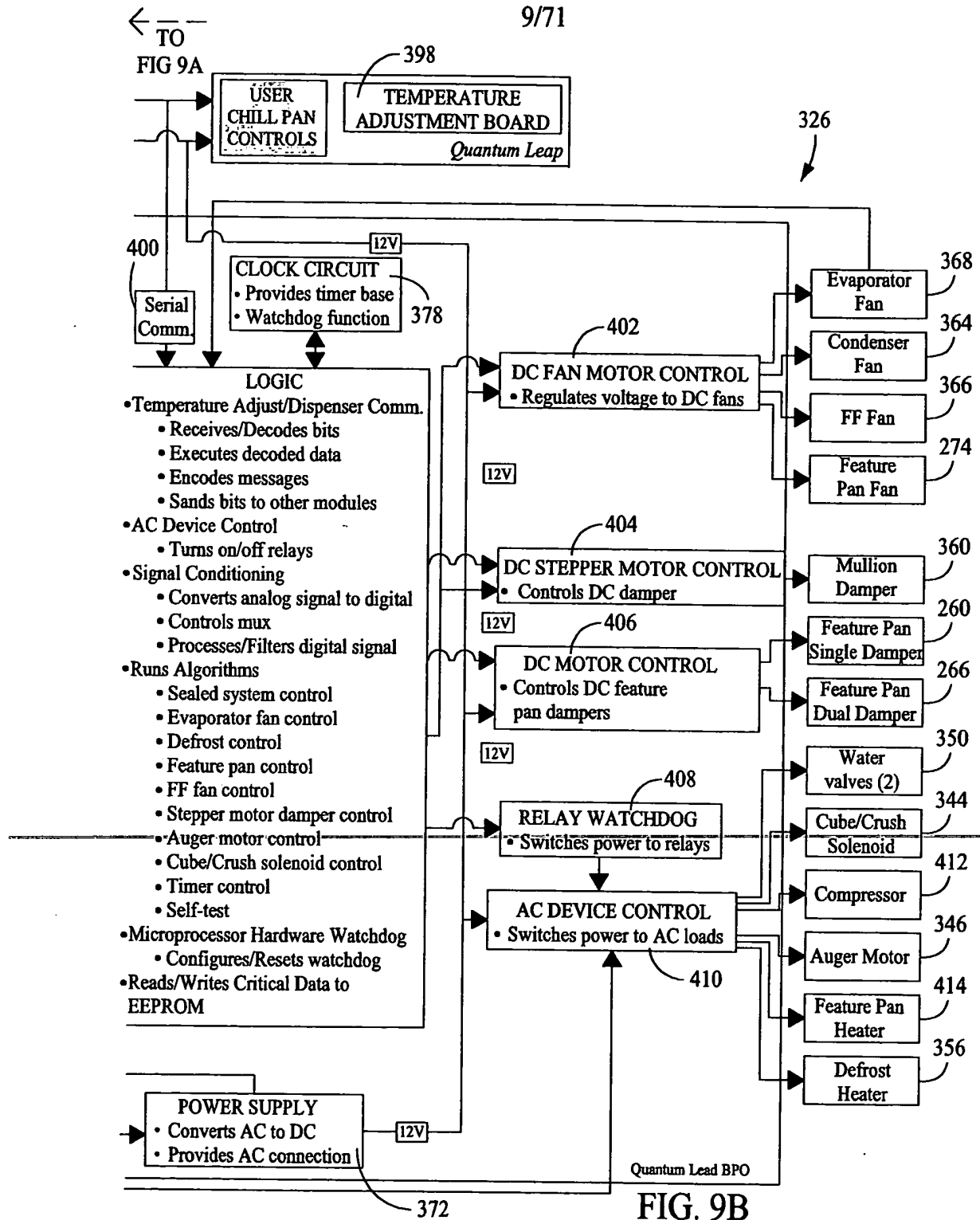


FIG. 9A



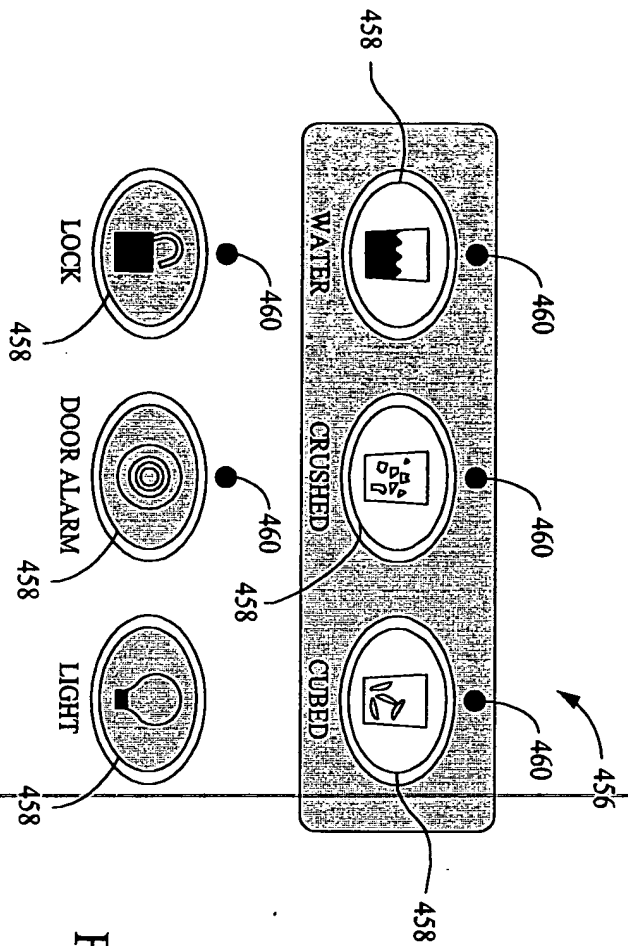


FIG. 15

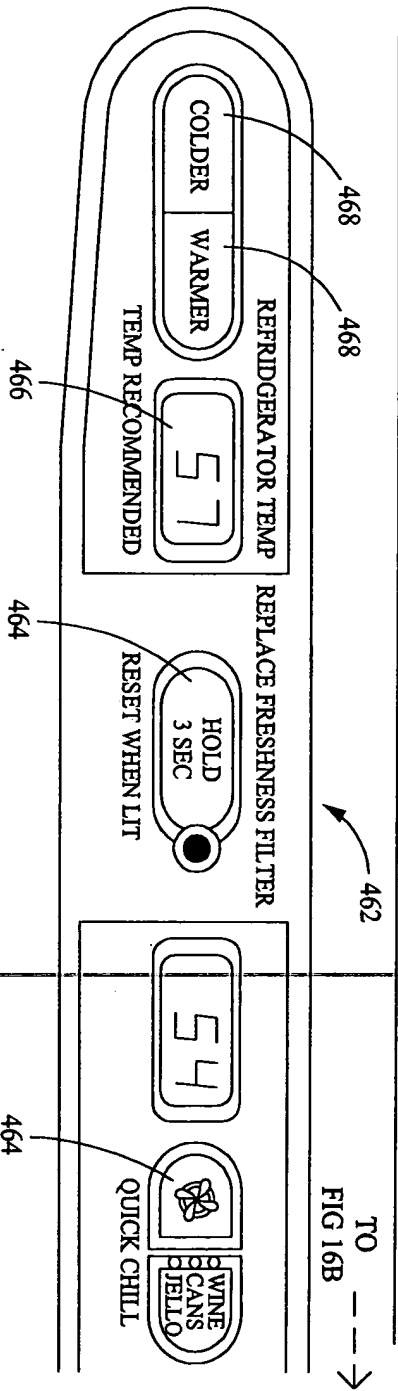


FIG. 16A

TO  
FIG 16B

TO  
FIG 16A

16/71

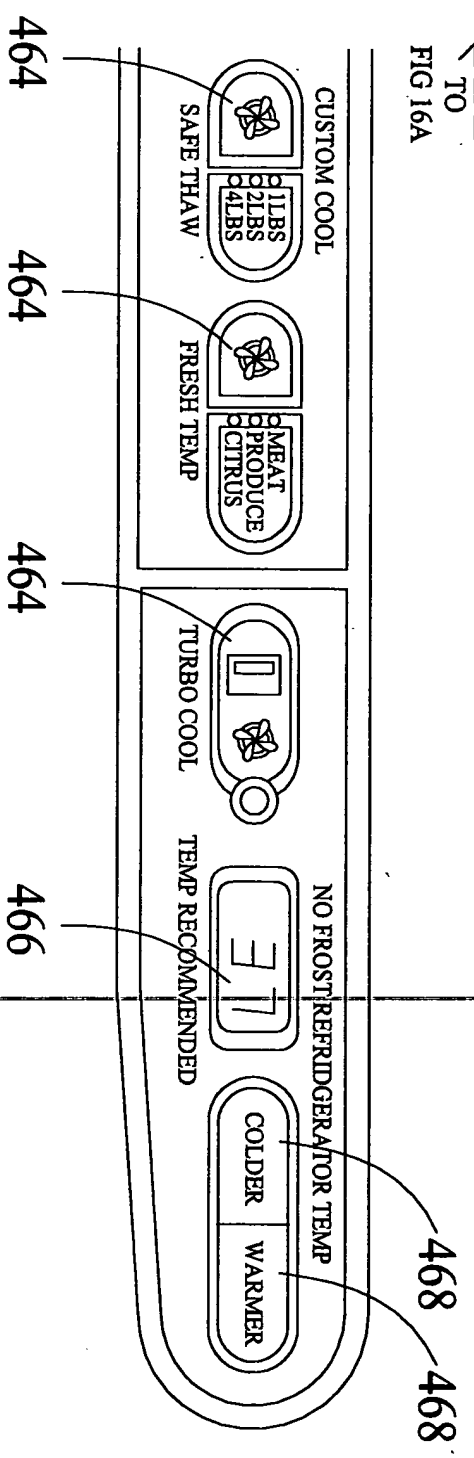
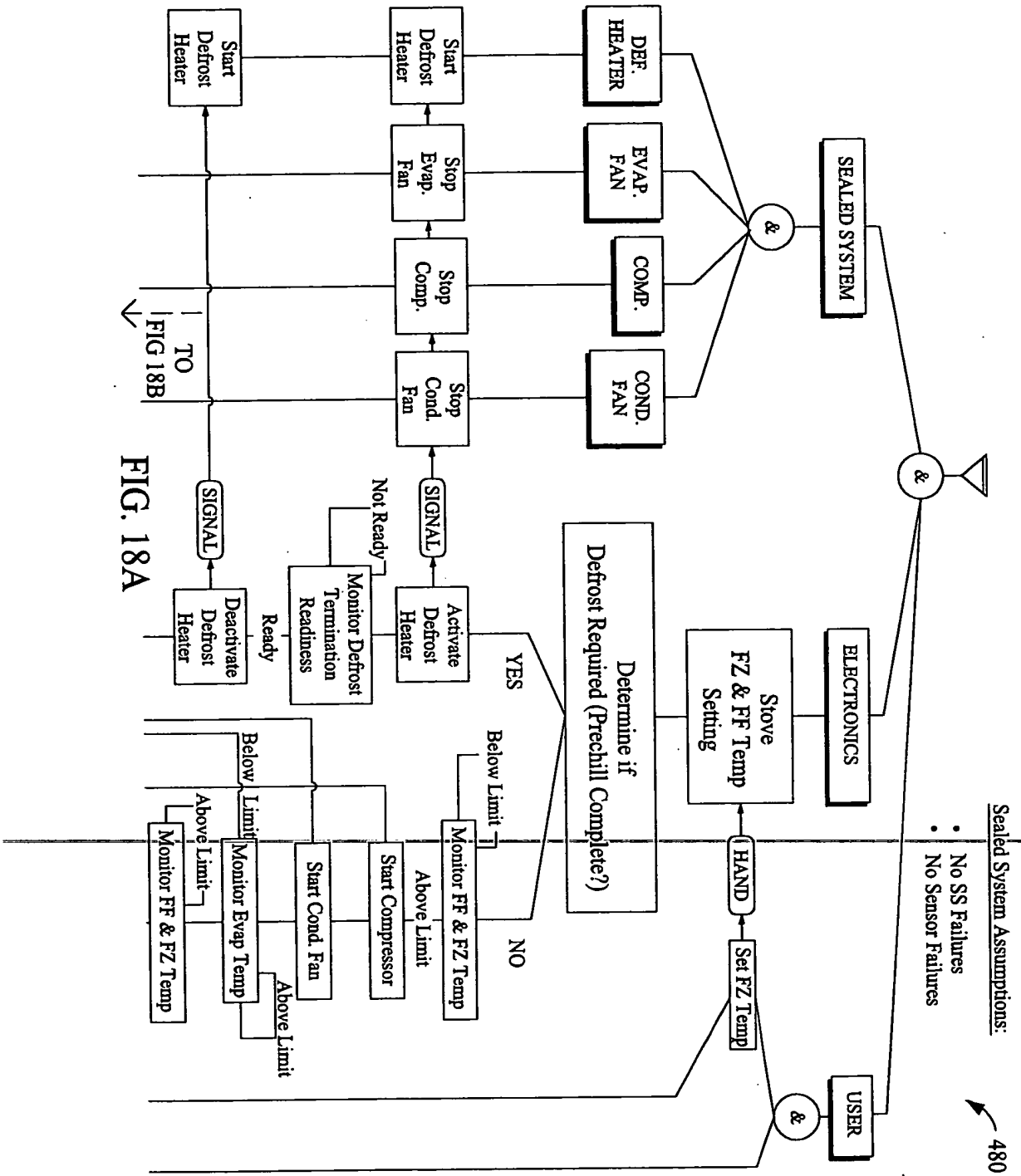
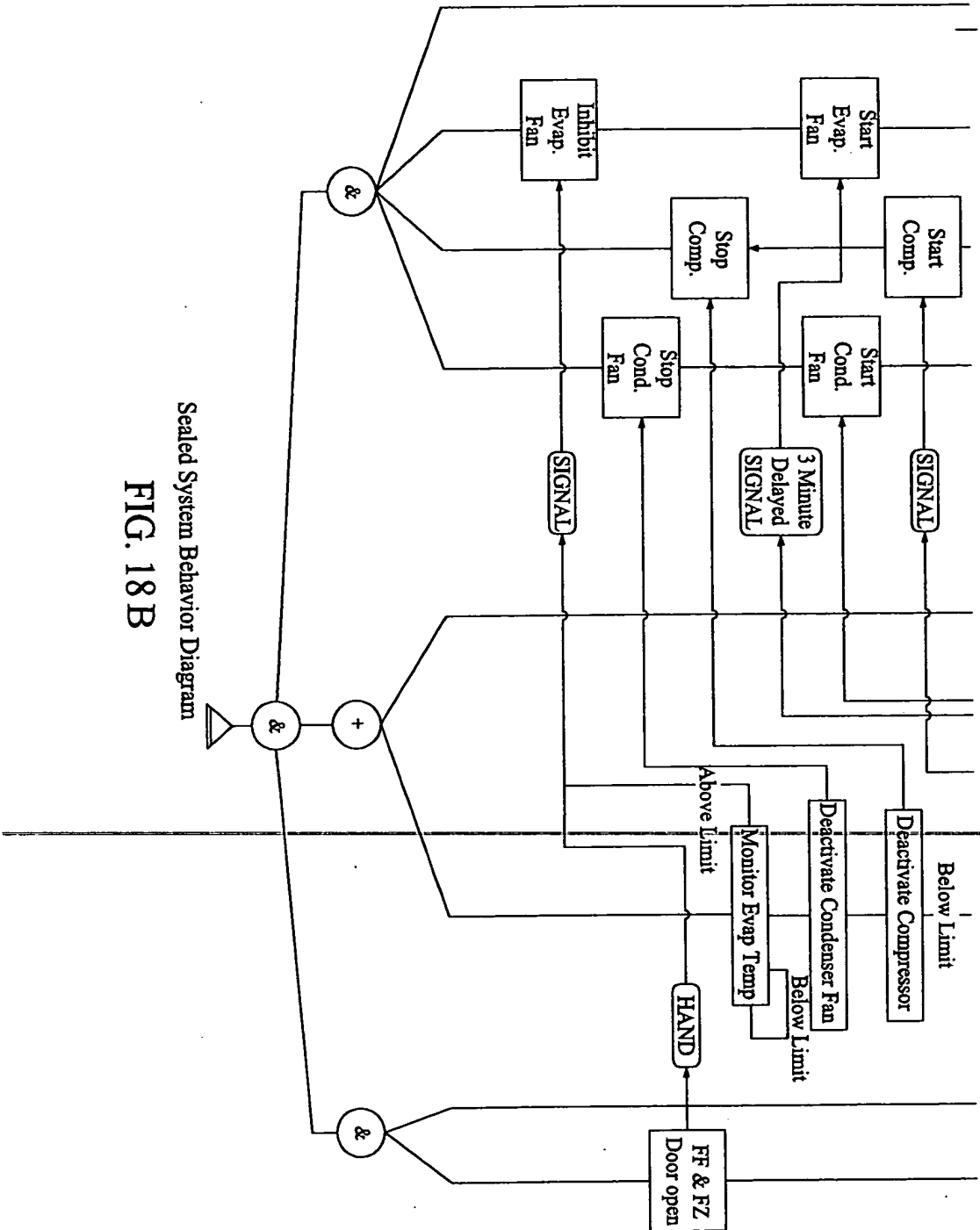


FIG. 16B



TO  
FIG 18A



Scaled System Behavior Diagram  
FIG. 18B

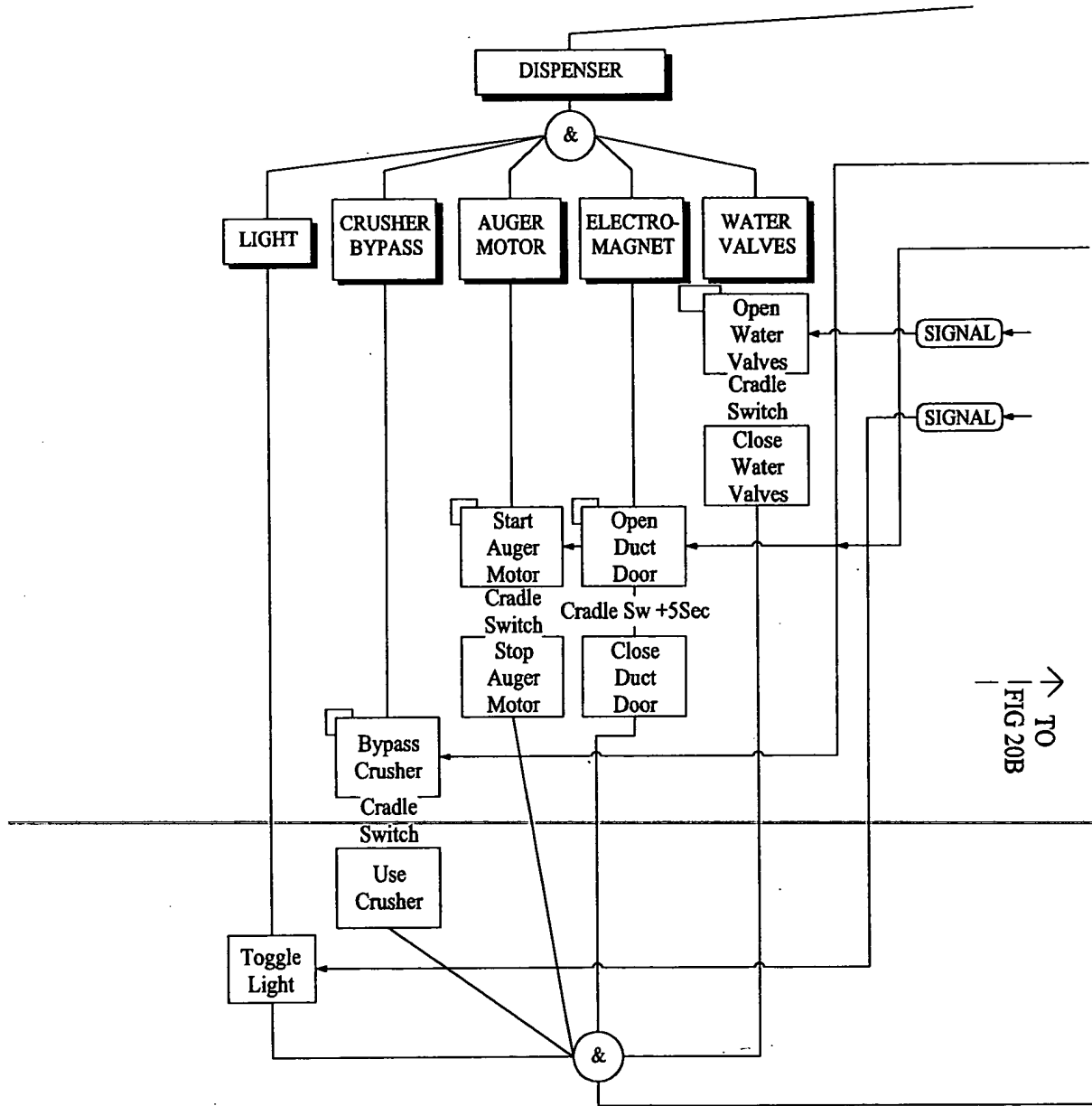


FIG. 20A

Dispenser Behavior



- **No Sensor Failures**

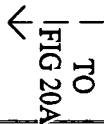
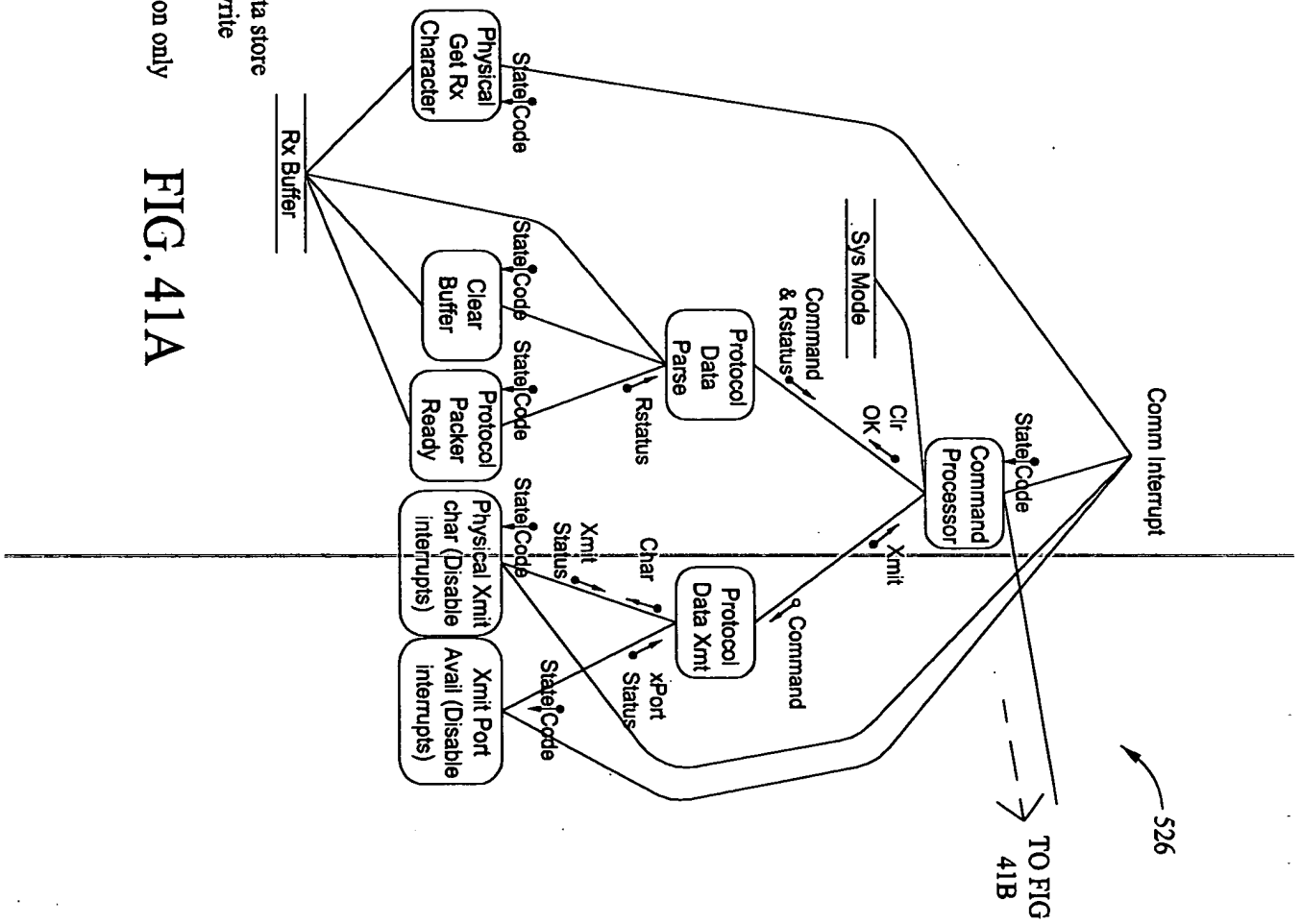
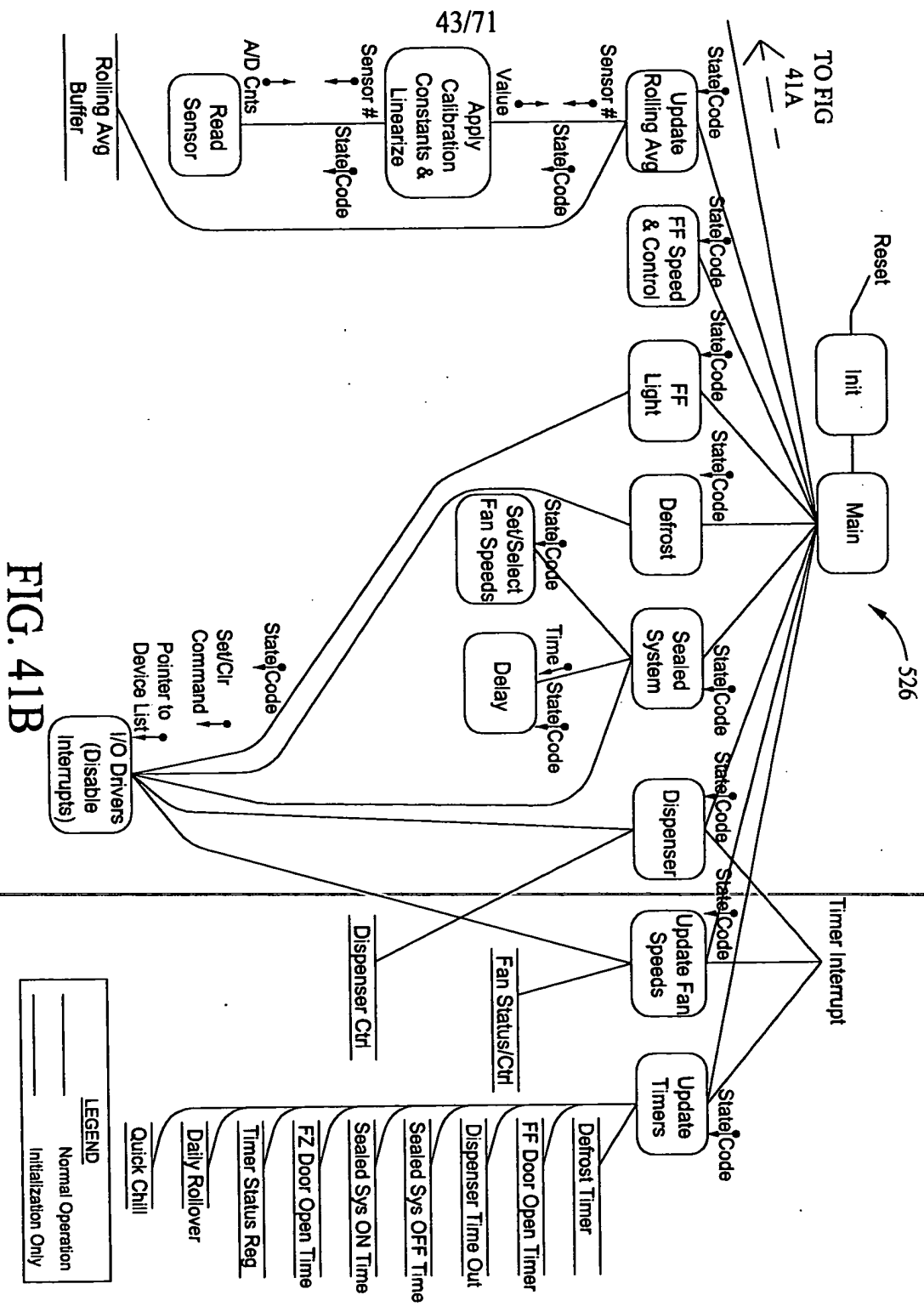


FIG. 20B



**Note:** Any Routine is allowed to read a data store  
The command processor can read or write  
any data store.  
Dashed line indicates a path for initialization only

FIG. 41A



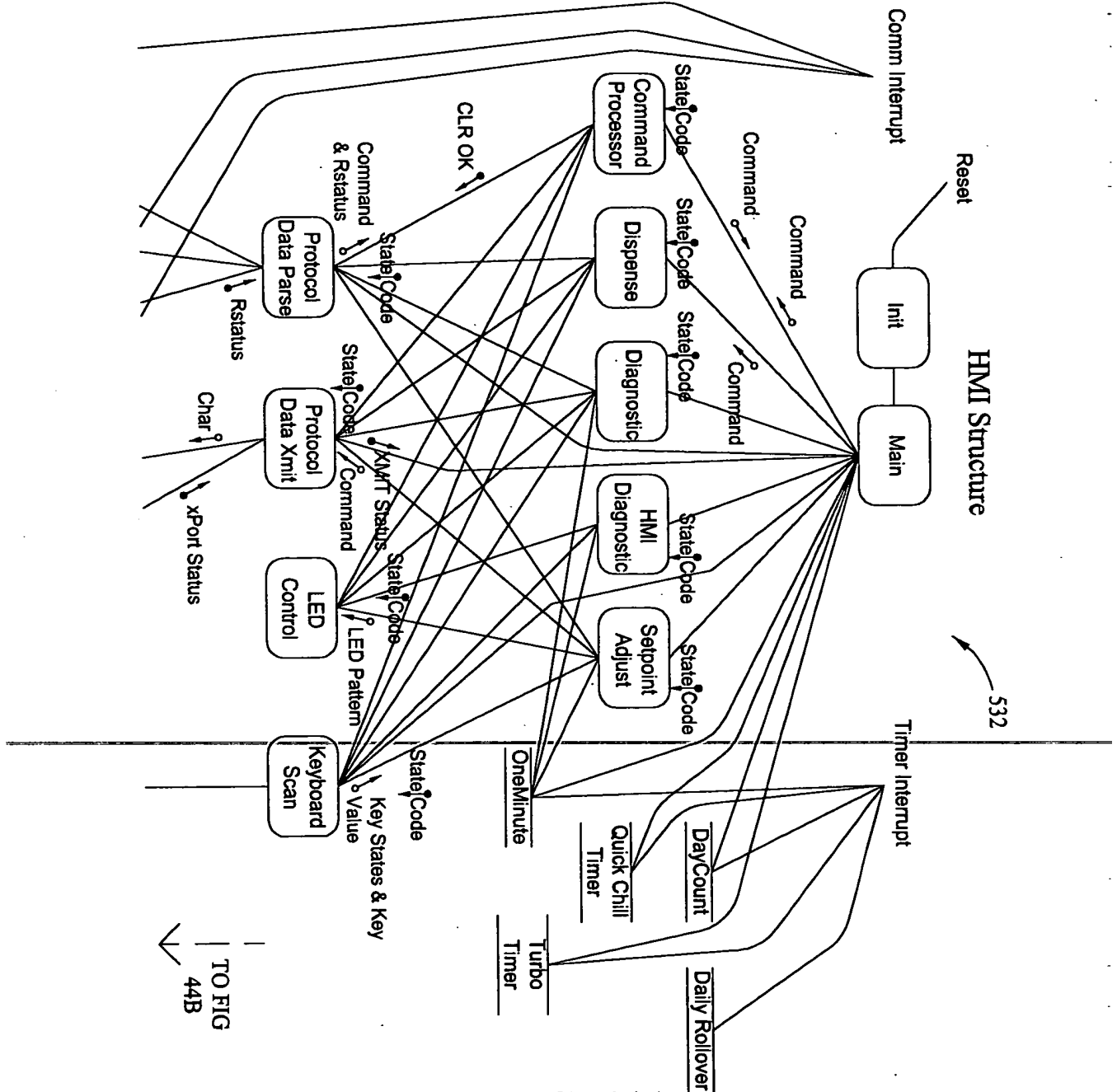


FIG. 44A

TO FIG  
44B

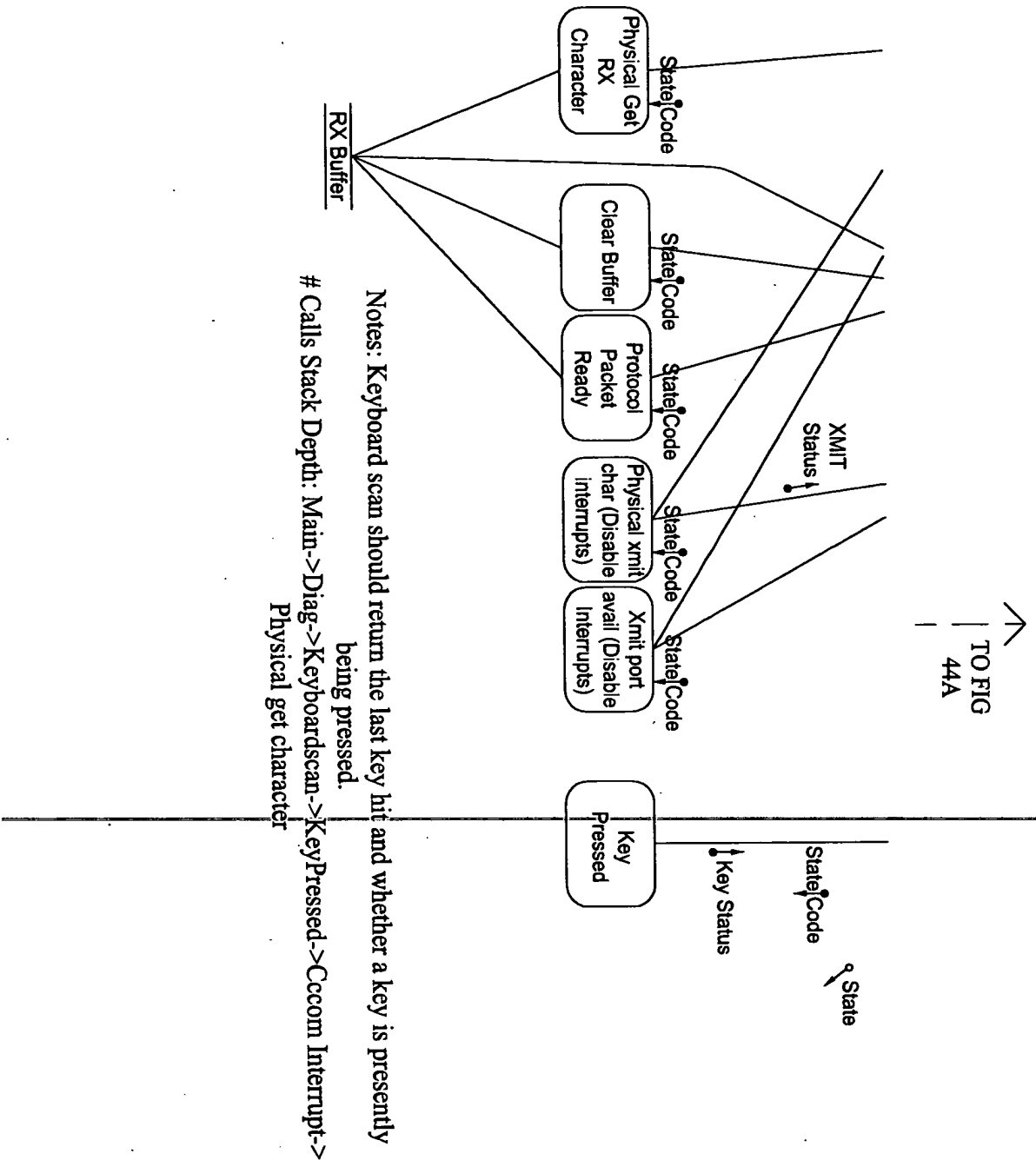






FIG. 45B

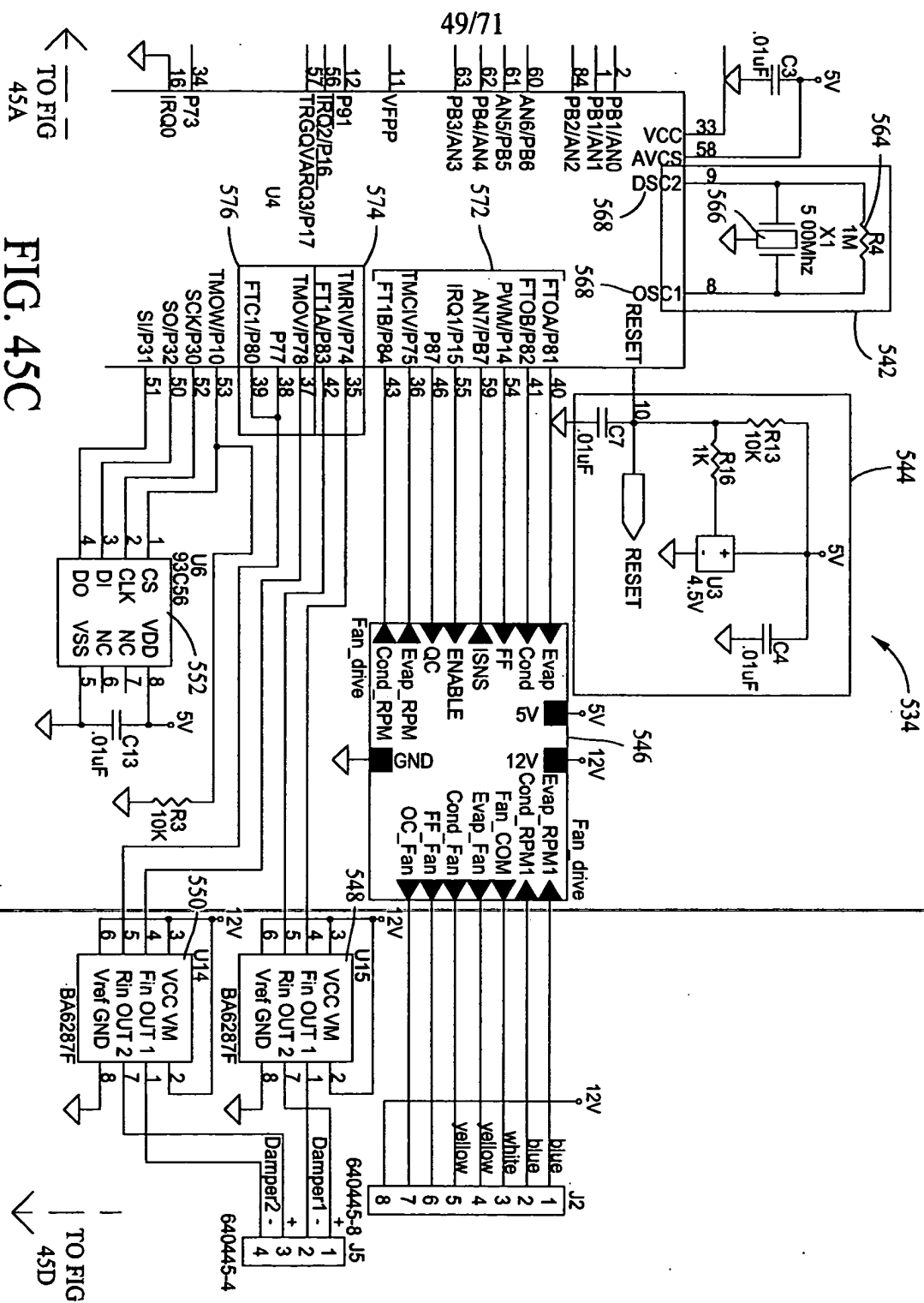


FIG. 45C

TO FIG 45A

TO FIG 45D





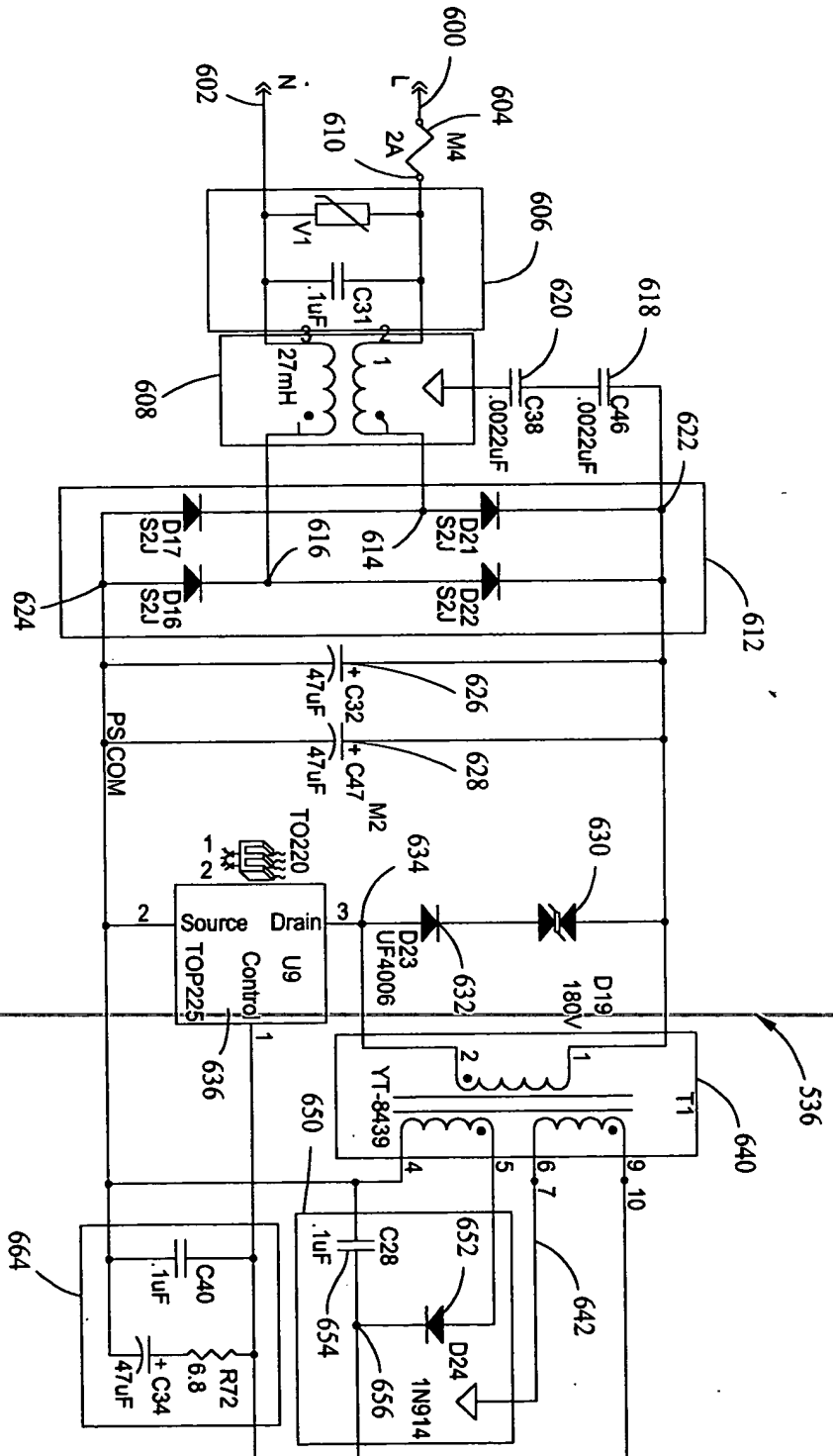


FIG. 45E

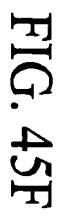


FIG. 45F

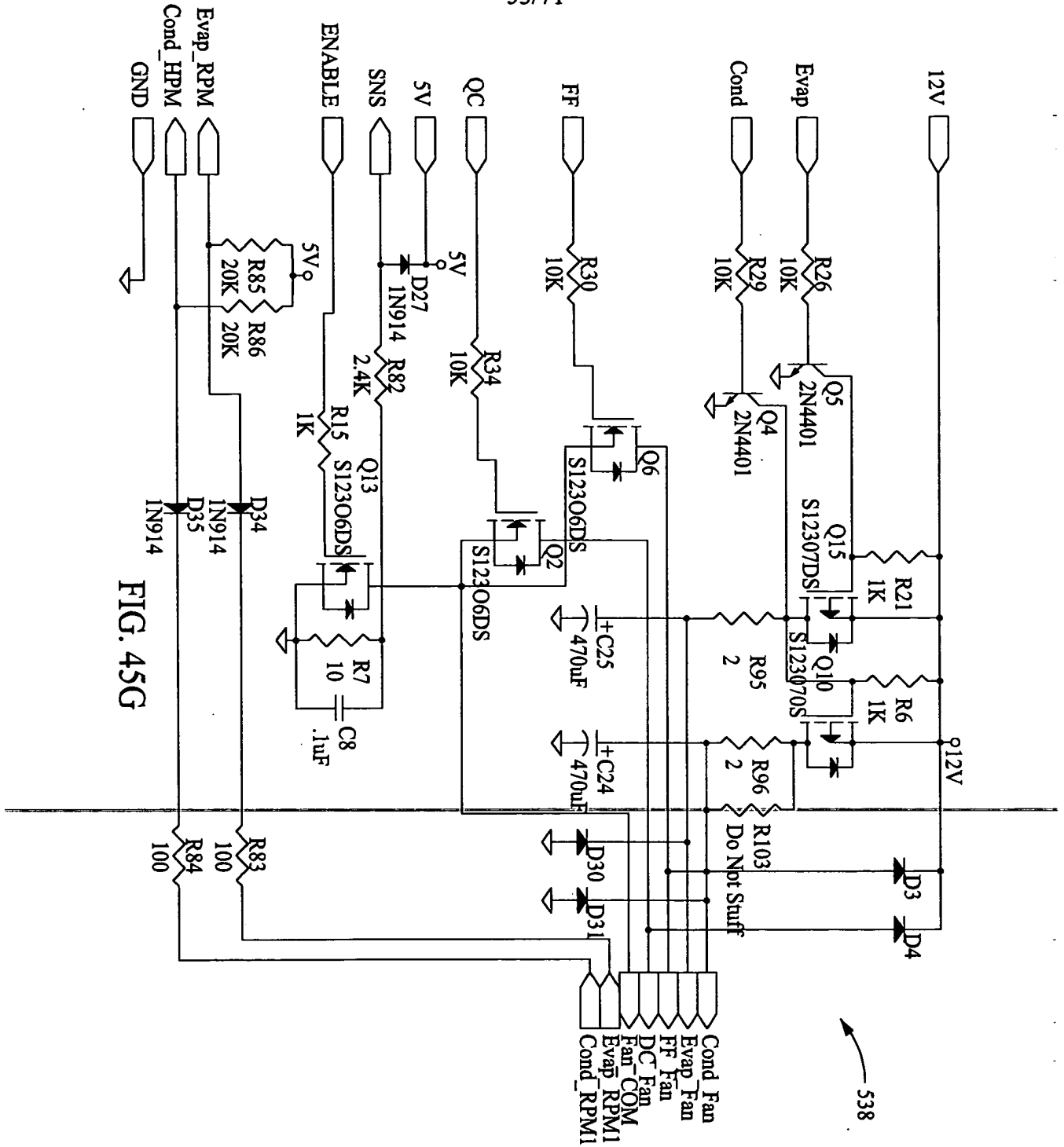


FIG. 45G

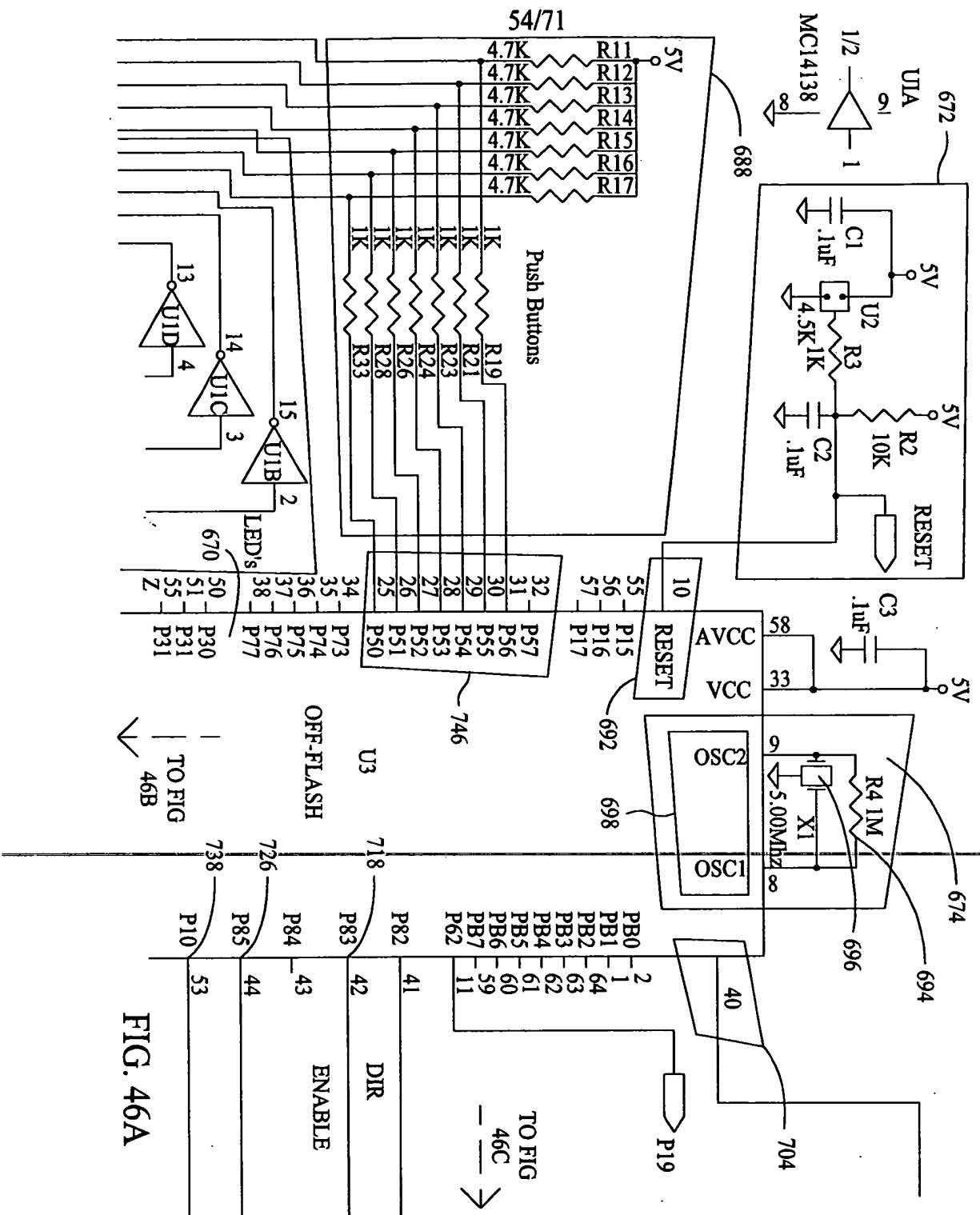


FIG. 46A

55/71

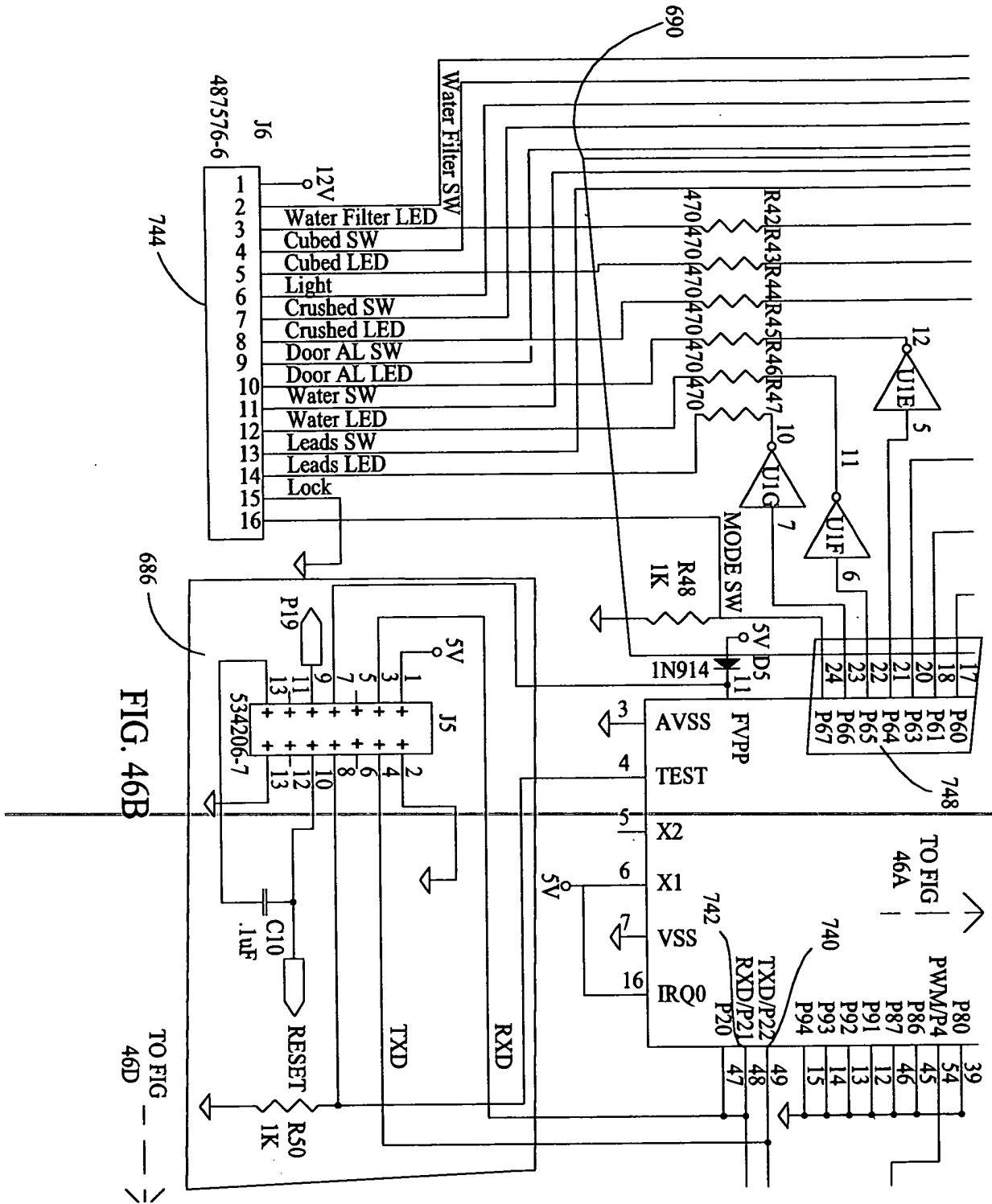
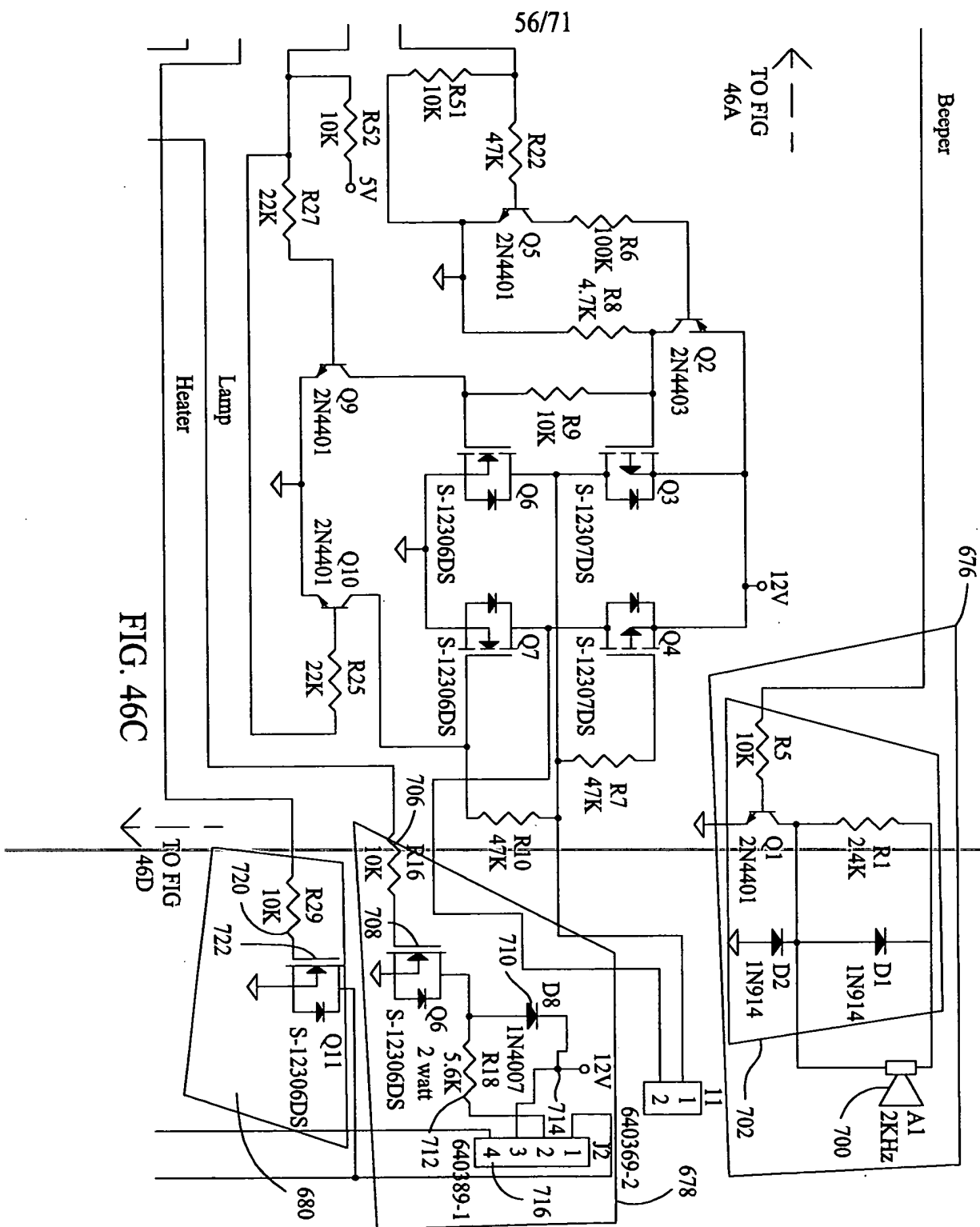
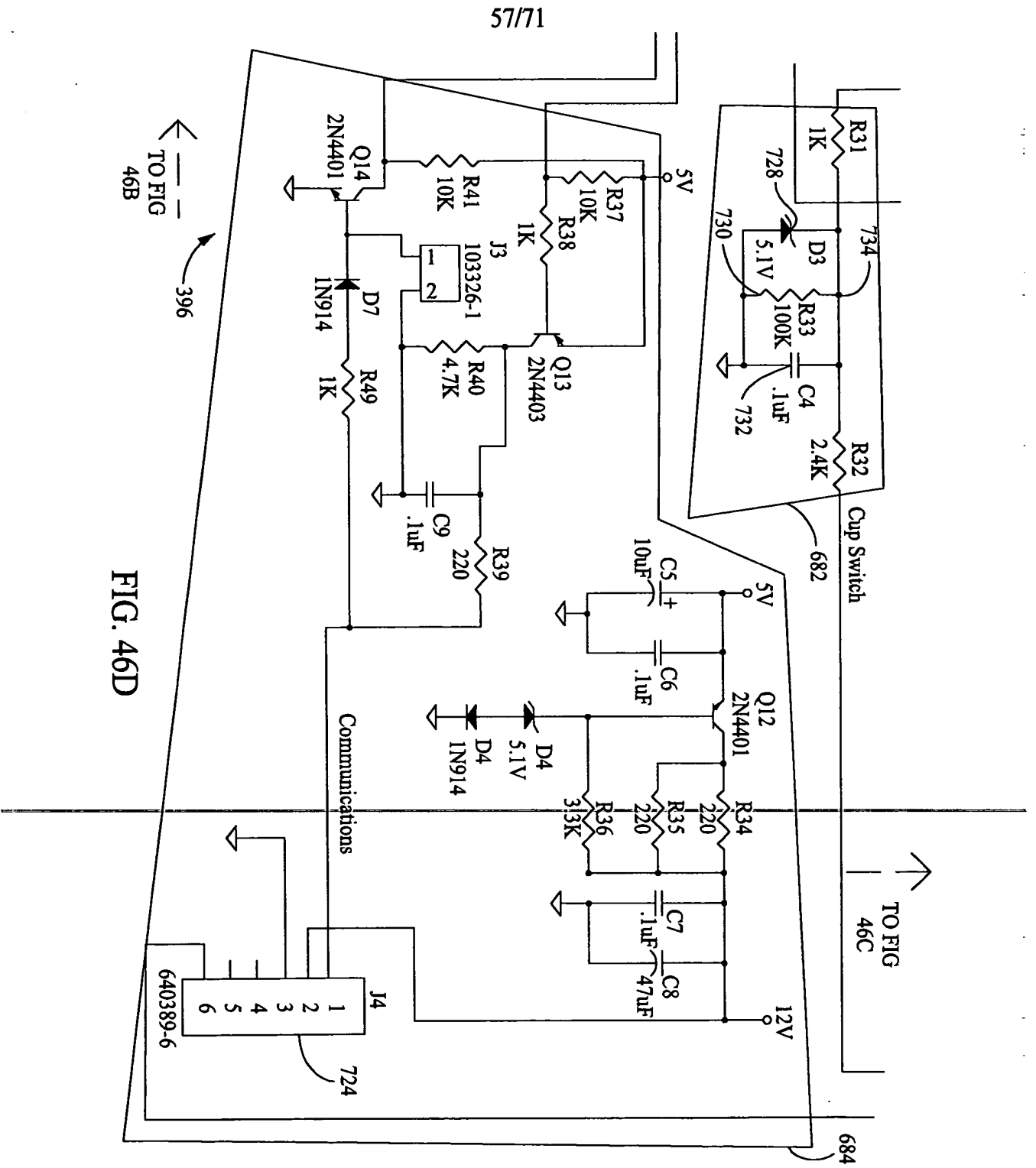


FIG. 46B

TO FIG 46D



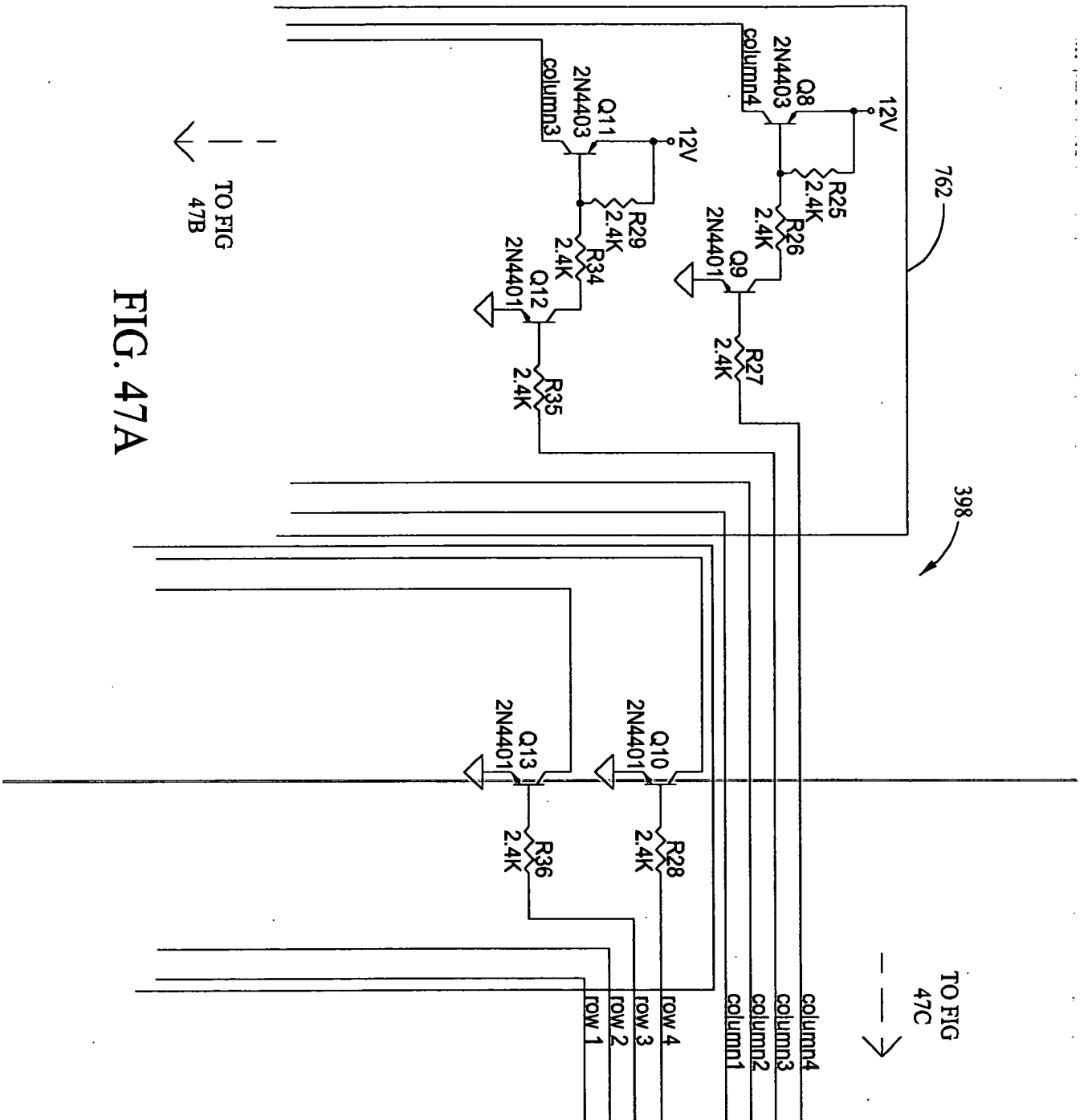




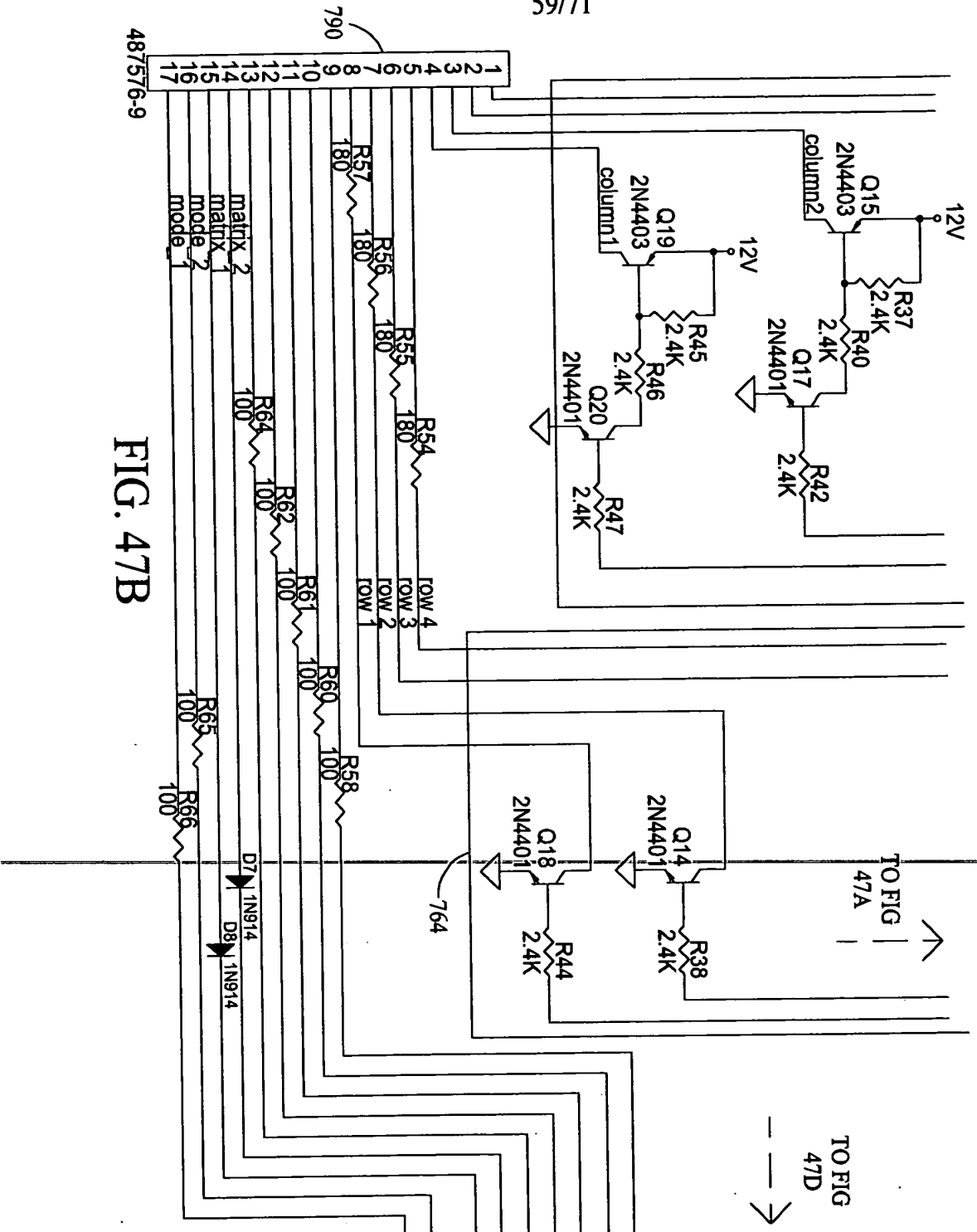
58/71

TO FIG  
47B

FIG. 47A



TO FIG  
47C





61/71

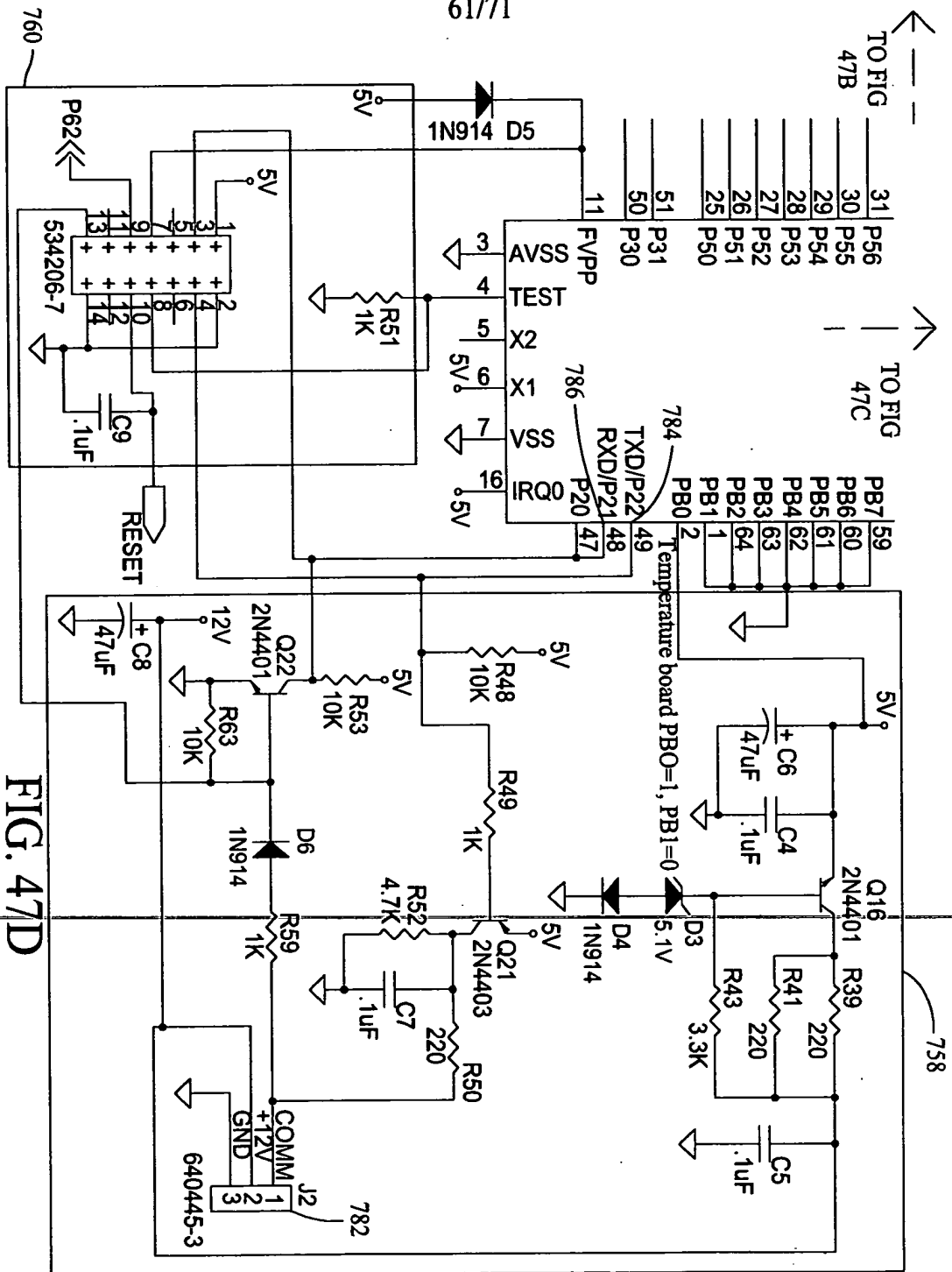


FIG. 47D